

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/25 19:11
S2	11	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/25 19:12
S3	21	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/25 19:15
S4	17	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/08/25 19:17
S5	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2008/08/25 19:18
S6	2	((WALTER) near2 (DOLL)).INV.	EPO; JPO; DERWENT	OR	ON	2008/08/25 19:20
S7	4	(("6426628") or ("5903764")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/25 19:21
S8	528	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/25 19:27
S9	43	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/08/25 19:28
S10	2	S8 S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/25 19:29
S11	5	("5504415"   "5578915"   "5900716"   "6081095"   "6114835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/25 19:30
S12	6	("5656915"   "5666006"   "5739596"   "5867007"   "5959368"   "6060864").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/25 19:31

## EAST Search History (Prior Art)

S13	16932	("320"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/26 11:18
S14	43	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/08/26 11:19
S15	19	S13 S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/26 11:19
S16	59230	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/26 11:19
S17	3	S14 S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/26 11:20
S18	2	("6104164").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/26 15:17
S19	190409	charger inductot or transformer switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/08/26 21:27
S20	6210	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/08/26 21:28
S21	531	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/26 21:28

## EAST Search History (Prior Art)

S22	71	S20 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/08/26 21:28
S23	136	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/08/27 10:42
S24	112	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/27 10:42
S25	7	("3382425"   "3586955"   "3766463"   "3781631"   "3876921"   "4031451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/27 10:54
S26	12	("4242627").URPN.	USPAT	OR	ON	2008/08/27 10:54
S27	166	buck adj converter charger	USPAT	AND	ON	2008/08/27 11:24
S28	531	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 11:25
S29	3	S27 S28	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/27 11:25
S30	352	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/27 11:25
S31	6	S28 S30	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/27 11:25
S32	59230	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/27 11:27
S33	34	S32 S30	US-PGPUB; USPAT; USOCR	AND	ON	2008/08/27 11:27
S34	2	("5553294").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/28 16:02

## EAST Search History (Prior Art)

S35	2124	("307"/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 16:26
S36	2124	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 16:26
S37	531	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 16:27
S38	2641	S36 S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 16:27
S39	43	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/08/28 16:28
S40	2680	S38 S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/28 16:28
S41	4	S38 S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/28 16:29
S42	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01
S43	11	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01
S44	22	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01

## EAST Search History (Prior Art)

S45	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/19 11:01
S46	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/03/19 11:01
S47	2	((WALTER) near2 (DOLL)).INV.	EPO; JPO; DERWENT	OR	ON	2009/03/19 11:01
S48	4	(("6426628") or ("5903764")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 11:01
S49	560	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S50	45	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 11:01
S51	2	S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/03/19 11:01
S52	5	("5504415"   "5578915"   "5900716"   "6081095"   "6114835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01
S53	6	("5656915"   "5666006"   "5739596"   "5867007"   "5959368"   "6060864").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01
S54	17772	("320"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S55	45	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 11:01

## EAST Search History (Prior Art)

S56	19	S54 S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/03/19 11:01
S57	60009	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S58	3	S55 S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/03/19 11:01
S59	2	("6104164").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 11:01
S60	195027	charger inductot or transformer switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/03/19 11:01
S61	6537	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/03/19 11:01
S62	560	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S63	71	S61 S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/03/19 11:01
S64	138	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/03/19 11:01
S65	114	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/19 11:01

## EAST Search History (Prior Art)

S66	7	("3382425"   "3586955"   "3766463"   "3781631"   "3876921"   "4031451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:01
S67	12	("4242627").URPN.	USPAT	OR	ON	2009/03/19 11:01
S68	172	buck adj converter charger	USPAT	AND	ON	2009/03/19 11:01
S69	560	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S70	3	S68 S69	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/19 11:01
S71	395	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/19 11:01
S72	6	S69 S71	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/19 11:01
S73	60009	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S74	40	S73 S71	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/19 11:01
S75	2	("5553294").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 11:01
S76	2196	("307"/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S77	2196	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01

## EAST Search History (Prior Art)

S78	560	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S79	2741	S77 S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S80	45	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 11:01
S81	2782	S79 S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S82	4	S79 S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/03/19 11:01
S83	28	hearing prosthetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 11:12
S84	5	hearing adj prosthetic implant\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/03/19 11:13
S85	6	hearing adj prosthetic implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2009/03/19 11:13
S86	62	hearing adj prosthe\$3 implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2009/03/19 11:15
S87	32	S86 battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/03/19 11:16



## EAST Search History (Prior Art)

S88	2	("5534765").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/19 11:21
S89	6	((("6426628") or ("5903764") or ("5869970"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/19 11:26
S90	5	("5565759"   "5606242"   "5640078"   "5684384"   "5734254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 11:29
S100	354	(320/108).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 14:51
S101	10	("4873677"   "4942352"   "4998055"   "5200685"   "5206097"   "5327067"   "5367242"   "5455466"   "5483437"   "5600225").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 14:55
S102	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/08 09:13
S103	12	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/08 09:13
S104	22	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/08 09:15
S105	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 09:18
S106	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/08 09:19
S107	2	("6541980").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/08 23:38
S108	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S109	12	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S11 0	22	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S11 1	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S11 2	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S11 3	2	((WALTER) near2 (DOLL)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S11 4	4	(("6426628") or ("5903764")).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S11 5	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S11 6	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S11 7	2	S115 S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S11 8	5	("5504415"   "5578915"   "5900716"   "6081095"   "6114835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S11 9	6	("5656915"   "5666006"   "5739596"   "5867007"   "5959368"   "6060864").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S12 0	18782	("320"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S12 1	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S12 2	21	S120 S121	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S12 3	61028	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S12 4	3	S121 S123	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S12 5	2	("6104164").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S12 6	200848	charger inductot or transformer switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S12 7	6876	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S12 8	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S12 9	75	S127 S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S13 0	151	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S13 1	122	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S13 2	7	("3382425"   "3586955"   "3766463"   "3781631"   "3876921"   "4031451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S13 3	12	("4242627").URPN.	USPAT	OR	ON	2009/11/09 00:51
S13 4	190	buck adj converter charger	USPAT	AND	ON	2009/11/09 00:51
S13 5	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S13 6	3	S134 S135	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S13 7	432	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S13 8	6	S135 S137	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S13 9	61028	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S14 0	48	S139 S137	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S14 1	2	("5553294").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S14 2	2281	("307"/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S14 3	2281	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S14 4	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S14 5	2873	S143 S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S14 6	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S14 7	2916	S145 S146	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S14 8	4	S145 S146	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S14 9	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S15 0	12	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S15 1	22	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S15 2	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S15 3	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S15 4	2	((WALTER) near2 (DOLL)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S15 5	4	((("6426628") or ("5903764"))).PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S15 6	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S15 7	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S15 8	2	S156 S157	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S15 9	5	("5504415"   "5578915"   "5900716"   "6081095"   "6114835").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S16 0	6	("5656915"   "5666006"   "5739596"   "5867007"   "5959368"   "6060864").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S16 1	18782	("320"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S16 2	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S16 3	21	S161 S162	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S16 4	61028	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S16 5	3	S162 S164	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S16 6	2	("6104164").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S16 7	200848	charger inductot or transformer switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S16 8	6876	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S16 9	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S17 0	75	S168 S169	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S17 1	151	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S17 2	122	charger near (inductot or transformer) switch	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S17 3	7	("3382425"   "3586955"   "3766463"   "3781631"   "3876921"   "4031451").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S17 4	12	("4242627").URPN.	USPAT	OR	ON	2009/11/09 00:51

## EAST Search History (Prior Art)

S17 5	190	buck adj converter charger	USPAT	AND	ON	2009/11/09 00:51
S17 6	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S17 7	3	S175 S176	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S17 8	432	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S17 9	6	S176 S178	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S18 0	61028	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S18 1	48	S180 S178	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/09 00:51
S18 2	2	("5553294").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S18 3	2281	("307"/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S18 4	2281	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S18 5	608	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51



## EAST Search History (Prior Art)

S18 6	2873	S184 S185	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S18 7	47	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/09 00:51
S18 8	2916	S186 S187	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S18 9	4	S186 S187	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/09 00:51
S19 0	30	hearing prosthetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/11/09 00:51
S19 1	5	hearing adj prosthetic implant\$4	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/11/09 00:51
S19 2	6	hearing adj prosthetic implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2009/11/09 00:51
S19 3	75	hearing adj prosthe\$3 implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2009/11/09 00:51
S19 4	35	S193 battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/11/09 00:51
S19 5	2	("5534765").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/09 00:51

## EAST Search History (Prior Art)

S19 6	6	((("6426628") or ("5903764") or ("5869970"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/09 00:51
S19 7	5	("5565759"   "5606242"   "5640078"   "5684384"   "5734254").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S19 8	425	(320/108).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/09 00:51
S19 9	10	("4873677"   "4942352"   "4998055"   "5200685"   "5206097"   "5327067"   "5367242"   "5455466"   "5483437"   "5600225").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S20 0	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S20 1	12	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S20 2	22	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/09 00:51
S20 3	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S20 4	18	((MARKUS) near2 (HALLER)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/09 00:51
S20 5	2	("6541980").PN.	USPAT; USOCR; FPRS; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/09 00:51
S20 6	3	((("6426628") or ("5869970") or ("5903764"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/16 09:58
S20 7	4	((("6426628") or ("5869970") or ("5903764") or ("20020137243"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/16 10:01
S20 8	6	((("6426628") or ("5869970") or ("5903764") or ("20020137243") or ("6348777") or ("5369351"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/16 12:02
S20 9	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:02

## EAST Search History (Prior Art)

S21 0	12	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:03
S21 1	25	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:03
S21 2	1	("5584870").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 18:31
S21 3	26	((peter) near2 (single)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:32
S21 4	6	((peter) near2 (single)).INV.	FPRS; EPO; JPO; DERWENT	OR	ON	2010/04/26 18:32
S21 5	7	("4532930"   "5411537"   "5702431"   "5739596"   "6067474"   "6223077"   "6586850").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:41
S21 6	3	("6922591").URPN.	USPAT	OR	ON	2010/04/26 18:45
S21 7	25	("20010031909"   "4532930"   "5046242"   "5279292"   "5411467"   "5601617"   "5645585"   "5814095"   "5935166"   "5984953"   "6067474"   "6272382"   "6308101"   "6358281"   "6516228"   "6531847"   "6553263"   "6586912"   "6636768"   "6648914"   "6736770"   "6855422"   "6891353"   "6894456"   "6922591").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/26 18:49
S21 8	1	("6586850").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 19:05
S21 9	2	((("6586850") or ("6223077"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/26 19:14
S22 0	1	("20040095020").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/06 23:48
S22 1	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/07 00:23
S22 2	13	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/07 00:23
S22 3	25	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/07 00:24

## EAST Search History (Prior Art)

S22 4	18	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/06/07 00:24
S22 5	2	((WALTER) near2 (DOLL)).INV.	EPO; JPO; DERWENT	OR	ON	2010/06/07 00:24
S22 6	663	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 00:24
S22 7	7205	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/06/07 00:24
S22 8	663	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 00:24
S22 9	79	S227 S228	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/06/07 00:24
S23 0	475	(320/108).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 00:24
S23 1	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:53
S23 2	14	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:53
S23 3	25	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:54
S23 4	30	((peter) near2 (single)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:55

## EAST Search History (Prior Art)

S23 5	721	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 10:55
S23 6	7566	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/11/29 10:55
S23 7	721	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 10:55
S23 8	83	S236 S237	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/11/29 10:55
S23 9	573	(320/108).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/29 10:56
S24 0	3	((("5553294") or ("6541980") or ("20040095020")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/29 11:03
S24 1	0	current sens\$3 resistor near multiple battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:20
S24 2	0	current sens\$3 resistor with multiple battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:20
S24 3	726	current sens\$3 resistor with batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:21
S24 4	49	current sens\$3 resistor near batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:21

## EAST Search History (Prior Art)

S24 5	2	charging current sens\$3 resistor near batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:21
S24 6	11	("20030052651"   "20030117112"   "20040075418"   "5723970"   "5777457"   "6144187"   "6452364"   "6479968"   "6605879"   "6605926"   "6771042").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/15 14:22
S24 7	19	charging current sens\$3 resistor with batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/02/15 14:24
S24 8	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/15 15:28
S24 9	14	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/15 15:28
S25 0	25	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/15 15:29
S25 1	7739	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/02/15 15:29
S25 2	741	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:29
S25 3	84	S251 S252	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/02/15 15:29
S25 4	7739	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/02/15 15:30
S25 5	741	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30

## EAST Search History (Prior Art)

S25 6	84	S254 S255	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/02/15 15:30
S25 7	560	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2011/02/15 15:30
S25 8	63634	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30
S25 9	87	S258 S257	US-PGPUB; USPAT; USOCR	AND	ON	2011/02/15 15:30
S26 0	741	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30
S26 1	7	S260 S257	US-PGPUB; USPAT; USOCR	AND	ON	2011/02/15 15:30
S26 2	2493	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30
S26 3	741	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30
S26 4	3215	S262 S263	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/15 15:30
S26 5	55	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/02/15 15:30

## EAST Search History (Prior Art)

S26 6	5	S264 S265	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/02/15 15:30
S26 7	0	current sens\$3 resistor near multiple battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/09/29 13:37
S26 8	759	current sens\$3 resistor with batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/09/29 13:37
S26 9	50	current sens\$3 resistor near batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/09/29 13:37
S27 0	2	charging current sens\$3 resistor near batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/09/29 13:38
S27 1	11	("20030052651"   "20030117112"   "20040075418"   "5723970"   "5777457"   "6144187"   "6452364"   "6479968"   "6605879"   "6605926"   "6771042").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/29 13:38
S27 2	19	charging current sens\$3 resistor with batteries	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2011/09/29 13:38
S27 3	20	((WALTER) near2 (DOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/29 13:39
S27 4	15	((DIRK) near2 (FIEDLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/29 13:39
S27 5	26	((MARKUS) near2 (HALLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/29 13:39
S27 6	8207	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/09/29 13:39



## EAST Search History (Prior Art)

S27 7	814	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:39
S27 8	89	S276 S277	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/09/29 13:39
S27 9	8207	charger (inductot or transformer) switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/09/29 13:40
S28 0	814	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:40
S28 1	89	S279 S280	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/09/29 13:40
S28 2	626	buck adj converter charger	US-PGPUB; USPAT; USOCR	AND	ON	2011/09/29 13:40
S28 3	65212	("307"/\$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:40
S28 4	107	S283 S282	US-PGPUB; USPAT; USOCR	AND	ON	2011/09/29 13:40
S28 5	814	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:40
S28 6	7	S285 S282	US-PGPUB; USPAT; USOCR	AND	ON	2011/09/29 13:40

## EAST Search History (Prior Art)

S28 7	2621	(307/65,66).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:41
S28 8	814	(320/118,119,121).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:41
S28 9	3414	S287 S288	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/29 13:41
S29 0	60	select\$3 battery near discharg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/09/29 13:41
S29 1	5	S289 S290	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/29 13:41

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S29 2	5	320/134.ccls.	UPAD	OR	ON	2011/09/29 13:46
S29 3	549	320/134.ccls.	US-PGPUB	OR	ON	2011/09/29 13:46
S29 4	897	320/134.ccls.	USPAT	OR	ON	2011/09/29 14:02